

Release notes for ENDF/B Development n-093_Np_239
evaluation



April 26, 2017

- fudge-4.0 Warnings:

1. Cross section does not match sum of linked reaction cross sections
crossSectionSum label 0: total (Error # 0): CS Sum.

WARNING: Cross section does not match sum of linked reaction cross sections! Max diff: 0.76%

2. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 1 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [nubar]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

3. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 2 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [nubar]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (5.774125e-09) is too small

4. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (total): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

5. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 3 (total): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

6. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (n + Np239): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

7. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 4 (n + Np239): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

8. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission]): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

9. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 8 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission]): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

10. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 10 (n + (Np239_e1 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (4.384165e-09) is too small

11. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 11 (n + (Np239_e2 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (8.447994e-09) is too small

12. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 12 (n + (Np239_e3 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.362055e-09) is too small

13. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 13 (n + (Np239_e4 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.040921e-09) is too small

14. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 14 (n + (Np239_e5 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.135801e-09) is too small

15. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 15 (n + (Np239_e6 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (4.362527e-09) is too small

16. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 16 (n + (Np239_e7 -> Np239 + gamma)): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.881501e-09) is too small

17. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 17 ($n + (Np239_e8 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.635165e-09) is too small

18. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 18 ($n + (Np239_e9 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (3.752927e-09) is too small

19. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 19 ($n + (Np239_e10 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.532307e-09) is too small

20. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 20 ($n + (Np239_e11 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.150501e-11) is too small

21. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 21 ($n + (Np239_e12 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.094916e-10) is too small

22. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 22 ($n + (Np239_e13 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (5.329651e-10) is too small

23. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 23 ($n + (Np239_e14 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (7.794740e-10) is too small

24. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 24 ($n + (Np239_e15 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.532753e-10) is too small

25. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 25 ($n + (Np239_e16 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (2.686483e-10) is too small

26. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 26 ($n + (Np239_e17 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.851504e-10) is too small

27. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 27 ($n + (Np239_e18 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.157589e-09) is too small

28. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 28 ($n + (Np239_e19 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (1.344605e-09) is too small

29. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 29 ($n + (Np239_e20 \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (4.889034e-09) is too small

30. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 30 ($n + (Np239_c \rightarrow Np239 + \gamma)$): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

31. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 31 ($Np240 + \gamma$): / Form 'eval': / Component 0 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

32. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 31 ($Np240 + \gamma$): / Form 'eval': / Component 1 (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

33. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 32 (n + Np239 [angular distribution]): / Form 'eval': (Error # 1): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

34. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 33 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

35. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 34 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

36. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 35 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

37. The ratio of smallest/largest eigenvalue is quite small, possibly leading to numerical instability in downstream codes.

Section 36 (n[multiplicity:'energyDependent', emissionMode:'prompt'] + n[emissionMode:'6 delayed'] + gamma [total fission] [spectrum]): / Form 'eval': (Error # 0): Condition num.

WARNING: Ratio of smallest/largest eigenvalue (0.000000e+00) is too small

- **fudge-4.0 Errors:**

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.

Reading ENDF file: ../n-093_Np_239.endf (Error # 0): No delayed n dist

WARNING: More than one delayed fission neutron decay time but no MF = 5 data

2. Duplicate Eout in outgoing distribution

Reading ENDF file: ../n-093_Np_239.endf (Error # 1): Bad Eout

WARNING: skipping duplicate e_out = 5068970.0, i1 = 53 0 1e-05

3. Energy range of data set does not match cross section range

reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (140000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

4. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (140000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (221129.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (180760.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

... plus 23 more instances of this message

5. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (221129.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

6. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (180760.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

7. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

8. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (400000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

9. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (242378.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

10. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

11. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c ->Np239 + gamma) / Product: Np239_c / Decay product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

12. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (173750.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

13. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (180760.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

14. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (221129.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

15. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

16. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (221129.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

17. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (300000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

18. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (348464.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

19. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (400000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

20. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (422375.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

21. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (326371.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

22. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (600000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

23. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (400000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

24. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (360515.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

25. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (400000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

26. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (500000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

27. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (422375.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

28. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (500000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

29. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (600000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)

30. Energy range of data set does not match cross section range
reaction label 21: n + (Np239_c -> Np239 + gamma) / Product: Np239_c / Decay product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (500000.0 -> 20000000.0) vs (110092.0 -> 20000000.0)
31. Calculated and tabulated Q values disagree.
reaction label 22: n[multiplicity:'2'] + Np238 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -6553018.960144043 eV vs -6.2152e6 eV!
32. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
33. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
34. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
35. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
36. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
37. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
38. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

39. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
40. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
41. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
42. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
43. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
44. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
45. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
46. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
47. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

48. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

49. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

50. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

51. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

52. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

53. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

54. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

55. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

56. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

57. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
58. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
59. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
60. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
61. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
62. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
63. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
64. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
65. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

66. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

67. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

68. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

69. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

70. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

71. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

72. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

73. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

74. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

75. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
76. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
77. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
78. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
79. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
80. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
81. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
82. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
83. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

84. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

85. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

86. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

87. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

88. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

89. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

90. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

91. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

92. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)

WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

93. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
94. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
95. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
96. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
97. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ag / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
98. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
99. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ah / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
100. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
101. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ai / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

102. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
103. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
104. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ak / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
105. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ak / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
106. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_al / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
107. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_al / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
108. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_am / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
109. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_am / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
110. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_an / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

111. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_an / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
112. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ao / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
113. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ao / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
114. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ap / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
115. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ap / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
116. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aq / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
117. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
118. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
119. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ar / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

120. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
121. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_as / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
122. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_at / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
123. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_at / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
124. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_au / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
125. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_au / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
126. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_av / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
127. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_av / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (6500000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
128. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aw / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

129. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_aw / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
130. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ax / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
131. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ax / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
132. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ay / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
133. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ay / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
134. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_az / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
135. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_az / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
136. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ba / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
137. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ba / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

138. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bb / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
139. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bb / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
140. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bc / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
141. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bc / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
142. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bd / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
143. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bd / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
144. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_be / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
145. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_be / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
146. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bf / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

147. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bf / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
148. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bg / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
149. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bg / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
150. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bh / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
151. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bh / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
152. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bi / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
153. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bi / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
154. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
155. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

156. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bk / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
157. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bk / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
158. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bl / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
159. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bl / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
160. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bm / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
161. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bm / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
162. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bn / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
163. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bn / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
164. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bo / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

165. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bo / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
166. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bp / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
167. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bp / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
168. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bq / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
169. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
170. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_br / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
171. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_br / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
172. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bs / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
173. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bs / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

174. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bt / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
175. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bt / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
176. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bu / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
177. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bu / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
178. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bv / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
179. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bv / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
180. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bw / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
181. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bw / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
182. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bx / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

183. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bx / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
184. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_by / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
185. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_by / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
186. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bz / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
187. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_bz / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
188. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ca / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
189. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_ca / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
190. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cb / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
191. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cb / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)

192. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cc / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
193. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cc / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
194. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cd / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
195. Energy range of data set does not match cross section range
reaction label 22: n[multiplicity:'2'] + Np238 + gamma / Product: gamma_cd / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (7000000.0 -> 20000000.0) vs (6241430.0 -> 20000000.0)
196. Calculated and tabulated Q values disagree.
reaction label 23: n[multiplicity:'3'] + Np237 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -12041339.72561646 eV vs -1.17035e7 eV!
197. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
198. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
199. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
200. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

201. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
202. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
203. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
204. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
205. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
206. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
207. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
208. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
209. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_g / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

210. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_g / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
211. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_h / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
212. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_h / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
213. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_i / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
214. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_i / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
215. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_j / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
216. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_j / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
217. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_k / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
218. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_k / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

219. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_l / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
220. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_l / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
221. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_m / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
222. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_m / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
223. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_n / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
224. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_n / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
225. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_o / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
226. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_o / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
227. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_p / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

228. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_p / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
229. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_q / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
230. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_q / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
231. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_r / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
232. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_r / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
233. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_s / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
234. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_s / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
235. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_t / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
236. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_t / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

237. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_u / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
238. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_u / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
239. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_v / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
240. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_v / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
241. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_w / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
242. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_w / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
243. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_x / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
244. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_x / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
245. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_y / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

246. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_y / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
247. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_z / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
248. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_z / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
249. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_aa / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
250. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_aa / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
251. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ab / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
252. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ab / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
253. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ac / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
254. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ac / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

255. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ad / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
256. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ad / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
257. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ae / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
258. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ae / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
259. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_af / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
260. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_af / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
261. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
262. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ag / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
263. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ah / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

264. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ah / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
265. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ai / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
266. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ai / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
267. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_aj / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
268. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_aj / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
269. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ak / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
270. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ak / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
271. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_al / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
272. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_al / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

273. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_am / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
274. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_am / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
275. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_an / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
276. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_an / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
277. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ao / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
278. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ao / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
279. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ap / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
280. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ap / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
281. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ag / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)

282. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_aq / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
283. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ar / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
284. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_ar / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
285. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_as / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
286. Energy range of data set does not match cross section range
reaction label 23: n[multiplicity:'3'] + Np237 + gamma / Product: gamma_as / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (12500000.0 -> 20000000.0) vs (11752900.0 -> 20000000.0)
287. Calculated and tabulated Q values disagree.
reaction label 24: n[multiplicity:'4'] + Np236 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: -18618686.01675415 eV vs -1.82809e7 eV!
288. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_a / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
289. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_a / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
290. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_b / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)

291. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_b / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
292. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_c / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
293. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_c / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
294. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_d / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
295. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_d / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
296. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_e / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
297. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_e / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
298. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_f / Multiplicity: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)
299. Energy range of data set does not match cross section range
reaction label 24: n[multiplicity:'4'] + Np236 + gamma / Product: gamma_f / Distribution: / uncorrelated - angular - isotropic: (Error # 0): Domain mismatch (a)
- WARNING: Domain doesn't match the cross section domain: (19000000.0 -> 20000000.0) vs (18358000.0 -> 20000000.0)

300. Calculated and tabulated Q values disagree.
reaction label 26: Np240 + gamma (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 4731150.672821045 eV vs 5068970. eV!
301. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 23: n + (Np239_c ->Np239 + gamma) total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 25.40%
302. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 24: n[multiplicity:'2'] + Np238 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 100.00%
303. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 25: n[multiplicity:'3'] + Np237 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 99.99%
304. Multiplicity does not match sum of linked product multiplicities!
multiplicitySum label 26: n[multiplicity:'4'] + Np236 + gamma total gamma multiplicity (Error # 0): summedMultiplicityMismatch
- WARNING: Multiplicity does not match sum of linked product multiplicities! Max diff: 100.00%
305. Calculated and tabulated Q values disagree.
fissionComponent label 0: /reactionSuite/fissionComponents/fissionComponent[@label='0'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 223615617165.9678 eV vs 1.898192e8 eV!
306. Calculated and tabulated Q values disagree.
fissionComponent label 1: /reactionSuite/fissionComponents/fissionComponent[@label='1'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 223615617165.9678 eV vs 1.898192e8 eV!
307. Calculated and tabulated Q values disagree.
fissionComponent label 2: /reactionSuite/fissionComponents/fissionComponent[@label='2'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 223615617165.9678 eV vs 1.898192e8 eV!
308. Calculated and tabulated Q values disagree.
fissionComponent label 3: /reactionSuite/fissionComponents/fissionComponent[@label='3'] (Error # 0): Q mismatch
- WARNING: Calculated and tabulated Q-values disagree: 223615617165.9678 eV vs 1.898192e8 eV!

309. A covariance matrix was not positive semi-definite, so it has negative eigenvalues.
Section 32 ($n + Np239$ [angular distribution]): / Form 'eval': / LegendreLValue L=1 vs 1 (Error # 0): Bad evs

```
WARNING: 9 negative eigenvalues! Worst case = -1.190753e-05
```

- njoy2012 Warnings:

- Evaluation has no resonance parameters given
unresr...calculation of unresolved resonance cross sections (0): No RR

```
---message from unresr---mat 9352 has no resonance parameters
copy as is to nout
```

- In some evaluations, the partial fission reactions MT=19, 20, 21, and 38 are given in File 3, but no corresponding distributions are given. In these cases, it is assumed that MT=18 should be used for the fission neutron distributions.
heatr...prompt kerma (0): HEATR/hinit (3)

```
---message from hinit---mt19 has no spectrum
mt18 spectrum will be used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (1): HEATR/hinit (4)

```
---message from hinit---mf6, mt 16 does not give recoil za= 93238
one-particle recoil approx. used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (2): HEATR/hinit (4)

```
---message from hinit---mf6, mt 17 does not give recoil za= 93237
one-particle recoil approx. used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (3): HEATR/hinit (4)

```
---message from hinit---mf6, mt 37 does not give recoil za= 93236
one-particle recoil approx. used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (4): HEATR/hinit (4)

```
---message from hinit---mf6, mt 51 does not give recoil za= 93239
one-particle recoil approx. used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (5): HEATR/hinit (4)

```
---message from hinit---mf6, mt 52 does not give recoil za= 93239
one-particle recoil approx. used.
```

- Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (6): HEATR/hinit (4)

---message from hinit---mf6, mt 53 does not give recoil za= 93239
one-particle recoil approx. used.

9. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (7): HEATR/hinit (4)

---message from hinit---mf6, mt 54 does not give recoil za= 93239
one-particle recoil approx. used.

10. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (8): HEATR/hinit (4)

---message from hinit---mf6, mt 55 does not give recoil za= 93239
one-particle recoil approx. used.

11. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (9): HEATR/hinit (4)

---message from hinit---mf6, mt 56 does not give recoil za= 93239
one-particle recoil approx. used.

12. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (10): HEATR/hinit (4)

---message from hinit---mf6, mt 57 does not give recoil za= 93239
one-particle recoil approx. used.

13. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (11): HEATR/hinit (4)

---message from hinit---mf6, mt 58 does not give recoil za= 93239
one-particle recoil approx. used.

14. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (12): HEATR/hinit (4)

---message from hinit---mf6, mt 59 does not give recoil za= 93239
one-particle recoil approx. used.

15. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (13): HEATR/hinit (4)

---message from hinit---mf6, mt 60 does not give recoil za= 93239
one-particle recoil approx. used.

16. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (14): HEATR/hinit (4)

---message from hinit---mf6, mt 61 does not give recoil za= 93239
one-particle recoil approx. used.

17. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (15): HEATR/hinit (4)

---message from hinit---mf6, mt 62 does not give recoil za= 93239
one-particle recoil approx. used.

18. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (16): HEATR/hinit (4)

```
---message from hinit---mf6, mt 63 does not give recoil za= 93239
one-particle recoil approx. used.
```

19. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (17): HEATR/hinit (4)

```
---message from hinit---mf6, mt 64 does not give recoil za= 93239
one-particle recoil approx. used.
```

20. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (18): HEATR/hinit (4)

```
---message from hinit---mf6, mt 65 does not give recoil za= 93239
one-particle recoil approx. used.
```

21. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (19): HEATR/hinit (4)

```
---message from hinit---mf6, mt 66 does not give recoil za= 93239
one-particle recoil approx. used.
```

22. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (20): HEATR/hinit (4)

```
---message from hinit---mf6, mt 67 does not give recoil za= 93239
one-particle recoil approx. used.
```

23. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (21): HEATR/hinit (4)

```
---message from hinit---mf6, mt 68 does not give recoil za= 93239
one-particle recoil approx. used.
```

24. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (22): HEATR/hinit (4)

```
---message from hinit---mf6, mt 69 does not give recoil za= 93239
one-particle recoil approx. used.
```

25. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (23): HEATR/hinit (4)

```
---message from hinit---mf6, mt 70 does not give recoil za= 93239
one-particle recoil approx. used.
```

26. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (24): HEATR/hinit (4)

```
---message from hinit---mf6, mt 91 does not give recoil za= 93239
one-particle recoil approx. used.
```

27. Recoil is not given, so one-particle recoil approximation used.
heatr...prompt kerma (25): HEATR/hinit (4)

```
---message from hinit---mf6, mt102 does not give recoil za= 93240
      photon momentum recoil used.
```

28. There is a problem with the fission energy release.
heatr...prompt kerma (36): HEATR/nheat (3)

```
---message from nheat---changed q from 1.898192E+08 to 1.856298E+08
      for mt 18
```

29. Evaluation has no resonance parameters given
purr...probabalistic unresolved calculation (0): No RR

```
---message from purr---mat 9352 has no resonance parameters
      copy as is to nout
```

- **xsectplotter** Errors:

1. ENDF format insists that all outgoing fission neutrons, delayed or otherwise, have spectra. For delayed neutrons this is tough.
(Error # 2): No delayed n dist

```
WARNING: More than one delayed fission neutron decay time but no MF = 5 data
```

2. Duplicate Eout in outgoing distribution
(Error # 3): Bad Eout

```
WARNING: skipping duplicate e_out = 5068970.0, i1 = 53 0 1e-05
```